

FIG. 1

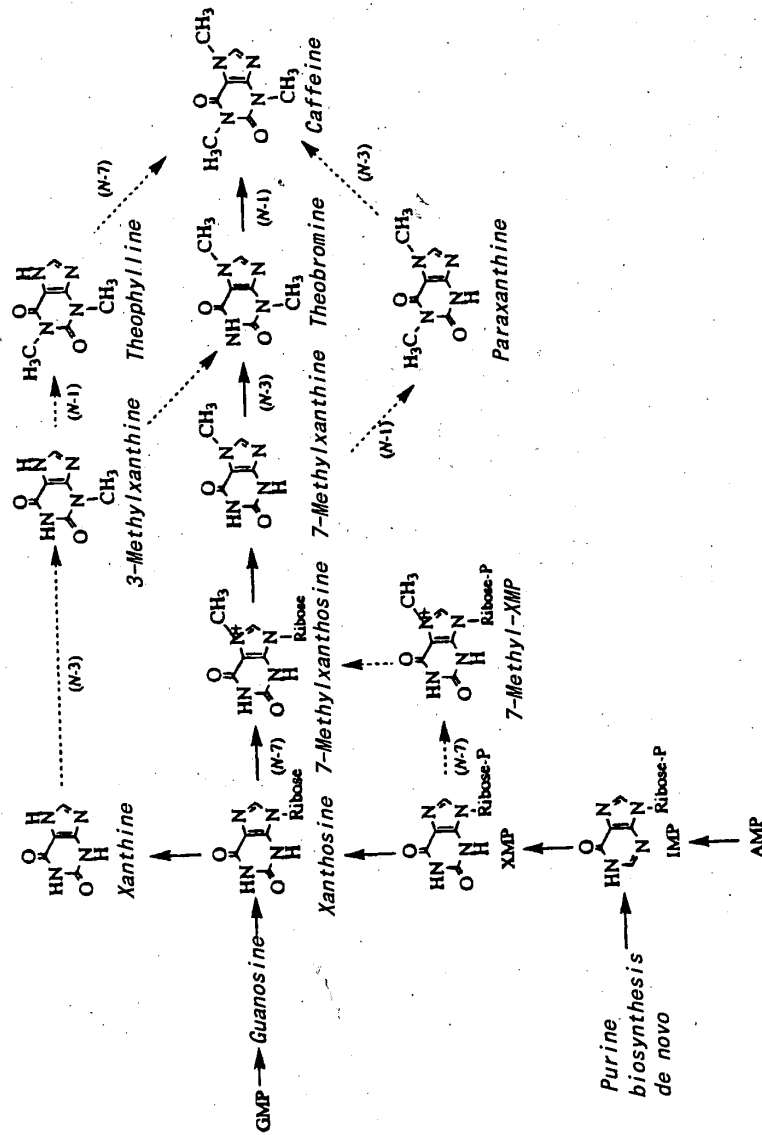


FIG. 2

A

GTCCTGCATA TGAATGGAGC TCCAAGAAGT CCTGCATATG AATGGAGGCG AAGGCGAAGC AAGCTACGCC AAGAATTCAT CCTTCAATCA 90
 ACTGGTTCTC GCCAAGGTGA AACCTGTCTT TGAACAATGC GTACGGGAAT TGTTCGGGCG CAACCTGCCC AACATCAACA AGTGCATTAA 180
 AGTTGCAGAT TTGGAGTGGC CTTCGGGACC AAACACACTT TTAACCGTTT GGGACACTGT ACAAAATATT GACAAAGTTA AGCAAGAAAT 270
 GAAGAATGAA TTAGAAGTGC CCACCATTTA GGTTTTCTG ACTGACTCTT TCCAAGATGA TTCAATTCGG GTTTTTCATG TCGTGCAGG 360
 CTTCACCCGC AAACCTGAGA AAGAAATGG ACGCAAAATA GGATCGTGCC TAATAGCCGC AATGCTGGCG TCTTTCCAGC GCAGACTCTT 450
 CCCCAGGAGG TCCATGCATT TTTTACACTC TTCTTACAGT CTTCAGTTT TATCCAGGT TCCACGCGGT TTGGTGACTG AATTGGGGAT 540
 CACTGCGAAG AAAAGGAGCA TTTACTCTTC CAAAGCAAGT CCTCCGCGCC TCCGCAAGGC ATATTGGAT CAATATGCA AAGATTTTAC 630
 CACATTTTAA AGGATGCGTT CGGAAGATT GCTTTCAGT GCGCGAATGC TCCTTACTTG CATTTGTAAA GGAGATGAAT GCGACGGCCC 720
 GAATACCATG GACTTACTTG AGATGGCAAT AAACGACTTG GTTGTGAGG GACGTCTGGG GGAAGAAAAA TTGCAGATT TCAATGTCC 810
 AATCTATACA GCTTCAGTAG AAGAATGAAA GTGCATGTT GAGGAGGAAG GTTCTTTTGA AATTTTATAC TTGCAGACTT TTAAGCTCCG 900
 TTATGATGCT GGTCTCTCTA TTGATGATGA TTGCCAAGTA AGATCCCATT CCCCAGTATA CAGCGATGAA CATGCTAGAG CAGCGCATGT 980
 GGCATCATT ATTAGATCAG TTATGAAACC CATCTAGCA AGTCATTTTG GAGAAGCTAT TATACCTGAC ATATTCCACA GTATTTGGCA 1080
 GAATGCAGCA AAGGTATCTC GCTTGGGCAA AGGCTTCTAT AATAATCTTA TCATTCTCT TCCCAAAAAA CCAAGAAATG CAGACATATA 1170
 AAGCTTGT TTATGTTGGT TTGTGTCTTA TGGGTGTTT TCTGATACGG GGAAGGATT CAGTGGGTT GGGTCTCTAT CCGAGATTG 1260
 TACTTTTAT ATTATTAGTT GGTGTATAAT TATTATGTTA CATTTGTATA TCTGATATA AAGTGACGTA CAAAAATAA ATATTTTCAT 1350
 AAAAAAAAAA

B

TTTAGCAGTC CCAATTCGAT TTATGTACAA GTCTGCATA TGAATGGAGC TCCAAGAAGT CCTGCATATG AATGGAGGCG AAGGCGATGC 90
 AAGCTACGCC AAGAATTCAT CCTTCAATGA ACTGGTTCTC GCCAAGGTGA AACCTGTCTT TGAACAATGC GTAGGGGAAT TGTTCGGGCG 180
 CAACCTGCCC AACATCAACA AGTGCATTAA AGTTGCGGAT TTGGAGTGGC CTTCGGGACC AAACACACTT TTAACAGTTT GGGACATTTG 270
 ACAAAATATT GACAAAGTTA GGCAGAAAT TTAGAAGTGA TTAGAAGTGA CCACCATTTA GGTTTTCTG ACTGACTCTT TCCAAGATGA 360
 TTTCAATTCG GTTTTCTATG TGTGCGAAG TTTTACCCG AAACCTGAGA AAGAAATGG ACGCAAGATA GGATCGTGCC TAATAGCCGC 450
 AATGCTGGCG TCTTTCCAGC GCAGACTCTT CCCCAGGAG TCAATGCATT TTTTACACTC TTCTTACAGT CTTCATTTT TATCCAGGT 540
 TCCAGCGGT TTGGTGACTG AATTGGGGAT CACTGCGAAG AAAAGGAGCA TTTACTCTTC CAAAGCAAGT CCTCCGCGCC TCCGCAAGGC 630
 ATATTGGAT CAATTATGCA AAGATTTTAC CACATTTTAA AGGATTCGTT CGGAAGATTG GCTTTCAGCG GCGCAAGTGC TCCTTACTTG 720
 CATTTGCAAA GGAGATGAAT TCGACGGCCC GAATACCATG GACTTACTTG AGATGGCAAT AAACGACTTG GTTGTGAGG GACATCTGGA 810
 GGAAGAAAAA TTGACAGTT TCAATGTTC CATCTATGCA GCTTCAGTAG AAGAATTAAG GTGCATAGT GAGGAGGAAG GTTCTTTTGA 900
 AATTTGTAC TTGAGACTT TTAAGCTCCG TTATGATGCT GGTCTCTCTA TTGATGATGA TTGCCAAGTA AGATCCCATT CCCCAGATA 990
 CAGCGATGAA CATGCTAGAG CAGCGCATGT GGCATCATT CTTAGATCAG TTTACGAACC CATCTCGCA AATCATTTT GAGAAGCTAT 1080
 TATACCTGAC ATATTCCACA GGTTTGCGAC GAATGCAGCA AAGGTATTCG CTTTGGGCAA AGGCTTCTAT AATAATCTTA TCATTCTCT 1170
 TCCCAAAAAA CCAAGAAATG CAGACATATA AAAGCTTGT TTATGTTGGT TTTGTGCTA TGGTTGTTT TCTGATACGG GGAAGGATT 1260
 TAGTGGGTT GGGGTTCAAA AAAAAAAAAA AAAAAA

C

CTTTGGCAGT CCAATTTTGA TTTATGTACA AGTCTGCAT ATGAATGGAG CTCCAAGAAG TCTCGGGAT GAATGGAGCG AAGGCGGATA 90
 CAAGCTACGC CAAAGTTTCA GCTCAATC AACCTGTCTC GCCEAAGGTG AAACCTGTCC TTGAACAATG CGTACGGGAA TGTTCGGGCG 180
 CCAACTGCCC CAACATCAAC AAGTGCAATTA AAGTTGCGGA TTGGAGTGGC GCTTCTGGAC CAACACACTT TTAACAGTTT GGGACATTTG 270
 TCCAAGATAT TGACAAGTT GGCAGGAAA AAGAAGATGA ATTAGAAGCT CCCACCATTC AGATTTTCTT GAATGATCTT TTCCAAGAT 360
 ATTTCAATTC GGTTTTCAAG TTGCTGCCAA GCTTCTACCG CAACTGTGAG AAGAAATGG GAGCAAAAT AGGATCGTTG CTAATAGGGG 450
 CAATGCCCGG CTCTTCTAC AGCAGACTCT TCCCGGAGGA GTCCATGAT TTTTACACT CTGTGTACTG TCTTCAATGT TATCTCAGG 540
 TTCTAGCGG TTTGGTGACT GAATGGGGA TCAGTACGAA CAAAGGAGG ATTTACTCTT CCAAGCAAG TCGTCTGCCC TCCGAGAAAG 630
 CATATTGGA TCAATTTAGC AAGATTTTAA CACATTTTCT AAGGATTCAT TCGGAAGAGT GTTTTCAACA TGCGCAATG CTCTTACTT 720
 GCATTTGTA AGGATTTGAA TTAGACGCCC GGAATGCCAT AGACTTACTY GAGATGGCAA TAAACGACTT GGTGTGTGAG GGACATCTGG 810
 AGGAAGAAAA ATTGGATAGT TTCAATCTTC CAGTCTATAT ACCTTCAGCA GAAGAAGTAA AGTGATAGT TGAGGAGGAA GGTTCCTTTG 900
 AAAATTTTAA CTTGGAGACT TTTAAGTCCC TTACGATGC TGGCTTCTCT ATTGACGATG AACATATTAA AGCAGAGTAT GTTGATCTT 990
 CCGTTAGAGC AGTTTACGAA CCACTCTCG CAAGTCATT TTGGAAGAGT ATTATACCTG ACATATTECA CAGTTTGGC AAGCATGAC 1080
 CAAAGGTTCT CCCCCTGGG AAGGCTTCT ATAATAATCT TATCATTTCT CTCGCCAAAA AGCCAGAGAA GTGACAGCTG TAAAGATTG 1170
 TTTTGTGTT GGGGAAAGGA ATAAGTGCGG TTGGGGTCT TCCGGTATT GTGCTTTTAA TATTATATTG TTTGTATCC GTAATAAAG 1260
 TGGTGTGTA GAATAAGATA TTTGACATAT ATTATTITCA AAAAAAAAAA AAAAAA

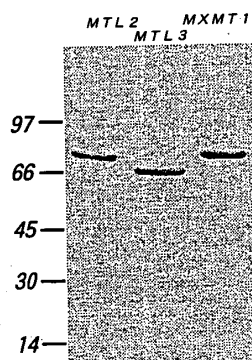
D

AGCAGTCGCA ATTCGATTGT CTTGCATATG AATGGAGCTC CAAGAAGTCC TGCATATGAA TGAAGGTGAA GGCATACAA GCTACGCCAA 90
 GAATGCATCC TACAATCTGG CTCTTCCCAA GGTGAAACCT TTCCTTGAAC AATGCATACG AGAATTTGTT GCGGCCAAT TGCCECAACAT 180
 CAACAAGTGC ATTAAGATTG CCGATTGGG ATGCGCTTCT GGACCAACCA CACTTTTAAAC AGTGGGGAC ATTGTGCAA GTATTGACAA 270
 AGTTGGCCAG GAAGAGAAAG ATGAATTAGA ACGTCCCAAC ATTCAGATT TTCTGAATGA TCTTTTCCAA AATGATTICA ATTCGGTTTT 360
 CAAGTGCTG CCAAGCTTCT ACCGCAACT CGAGAAAGAA AATGGAGCGA AGATAGGATC GTGCTTAATA AGCCCAATGC CTGGCTCTTT 450
 CTACGGCAGA CTCTTCCCC AGGAGTCCAT GCATTTTTG CACTCTGTT ACAGTGTTCA TTGGTTATCT CAGGTTECCA CGGTTTGGT 540
 GATTGAATTG GGGATTGGT CAAACAAGG GAGTATTAC TCTTCCAAAG GATGCTGTC GCGCTCCAG AAGGCATATT TGGATCAATT 630
 TACGAAAGAT TTTACACAT TTCTAAGGAT TCACTGAAA GAGTTGTTT CACGTGGCCG AATGCTCTT ACCTGCATT GTAAAGTAGA 720
 TGAATTCGAC GAAECGAAT CCTAGACTT ACTTGACATG GCAATAAAGC ACTGATTGT TGAGGACTT CTGGAGGAAG AAAAATTGGA 810
 TAGTTTCAAT ATTCATTCT TTACACTTC AGCAGAAAGAA GTAAAGTGA TAGTTGAGGA GGAAGGTTCT TGCAGAAATT TATATCTGGA 900
 GACTTTTAA GCGCATATG ATGCTGCTCT CTCTATTGAT GATGATTACC CAGTAAGATC CCATGAACAA ATTAAGGAG AGTATGTGCG 990
 ATCATTAAAT AGATCAGTTT AGCAACCAT CTTCGCAAGT CATTTTGGAG AAGCATATTAT GCCTGACTTA TTCCACAGC TTGCGAAGCA 1080
 TGCAGCAAGG GTTCTCCACA TGGGCAAGG CTGCTATAAT AATCTTATCA TTTCTCTCG CAAAAAGCCA GAGAAGTCAG ACGTGTAAGA 1170
 GTTGTGTTT AGTTGTTTGT TGTGCGTGG GGGGTCTTTC GGGTATTGTC GTTTGTATT CGTAATAAAA GTGATGTGCA AGAATAAGAT 1260
 ATTATGACA ATATTTCAT AAAAAAAAAA AAAAAA

FIG. 3

MXMT1	MEIQEVLHNEGEGDTSYAKVASN-LALAKVPFLEQCTREILRANLN	49
MTL1	.....G::EA::S:F:Q:V:::V::V::	50
MTL2	.....G::A::S:F:Q:V:::V::VG::	50
MTL3	.....R::G::SA::Q:V:::V::V::	50
MXMT1	INKCTKVADLGASGRNILLTVRDIVQSTDKVQPEKNELERPTIQIFLN	99
MTL1	.....W:T:::K::M:::V::T	100
MTL2	.....R::M:::V::T	100
MTL3	.....K::	100
MXMT1	DLFQNDNSVFKLLPSFYRKLEXENGRKIGSCCLISAMPGSFYGRLPFRES	149
MTL1	.....M:::A:::H::	150
MTL2	.....M:::A:::H::	150
MTL3	...P:::S::	150
MXMT1	MHFLHSCYSVHNLSQLVPSGLVTELIGANGKSTYSSKGRPFVQKAYLDQ	199
MTL1	.....S::LQF:::T::T::R:::ASP::	200
MTL2	.....S::LQF:::T::T::R:::ASP::	200
MTL3	.....CLQ:::T::ST:::AS:L::	200
MXMT1	FTKQFTTFLRHSKELFSRGRMLLTCKKVDFEDERNELDLILMAINILI	249
MTL1	.....MR:E::L:::G::C:G::TM::E:::V	250
MTL2	.....R:E::L:::G::G::TM::E:::V	250
MTL3	.....E::H:::GE:L:AR:AI::E:::V	250
MXMT1	VEGLLEBEKLDSENPFFFTPSAEVKCIVEEGSCCELLYLEIFKAHYDAA	299
MTL1	A::R:G:::V:LY:A:V:::M:::F:::Q::LR::G	300
MTL2	::H:::V:LYA:V::L:::F:::LR::G	300
MTL3	::H:::L:VYL:::F:::VL::G	300
MXMT1	FSIDDYPVRSH-----DQIKAEVWASLIRSVYEPTLASHFGEATMPDL	343
MTL1	.....CQ:::SPVYSD:HAR:AH:::I::I	350
MTL2	.....CQ:::SPEYSD:HAR:AH:::L:::N:::I::I	350
MTL3	.....EH-----:SV:A:::I::I	337
MXMT1	FHRLAKHAQVLFMRGCYNLIISLAKGPKSDV	378
MTL1	::F:TN:::IRL::F:::I	385
MTL2	::F:TN:::IRL::F:::I	385
MTL3	::F:::FL::F::	372

FIG. 4



005001 0201 0000

FIG. 5

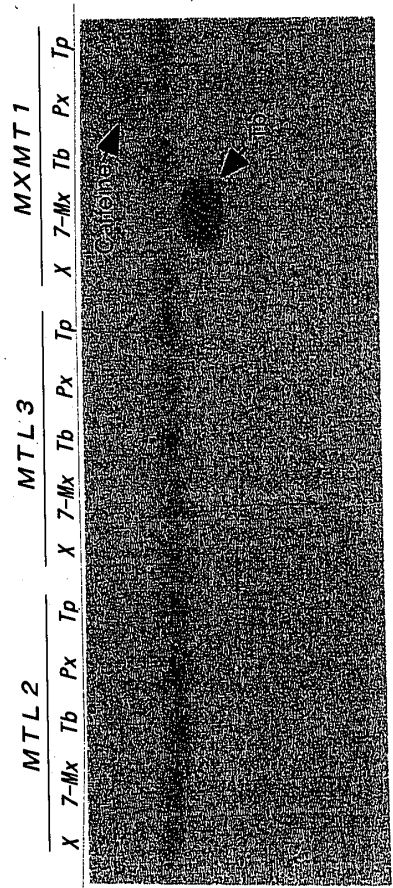


FIG. 6

